

TB-001

EOSDIS Core System Project *Technical Bulletin*

**611 Document Update:
ASTER on Demand Capability**

March 2000

Raytheon Systems Company
Upper Marlboro, Maryland

This page intentionally left blank.

Purpose

This document is an interim transmission of information that will appear in a subsequent release of Document 611-CD-004-004, *Mission Operation Procedures for the ECS Project*.

It is intended to provide timely distribution of important information to operational sites.

TB-001 addresses procedures for ASTER on Demand Capability at operational sites, and includes modifications to AST_06 Product Guidelines and Non-Standard L1B On Demand Requests.

This page intentionally left blank.

ASTER on Demand Capability

11.12.7.3 ASTER on Demand Capability

There is some information that needs to be provided to the operations personnel who will be doing the SSIT procedures that create the many PGE Profiles that the ASTER on Demand capability depends on.

When ODFRM passes ODMGR the parameters that a user has set for a particular product, they come in a parameter = value format in the GIParameterList. What ODMGR does is attempt to match these parameter/value pairs against Runtime Parameter/Value pairs in the PDPS database that has been entered at SSIT. If the parameter or values do not EXACTLY match what was put in the ODL for the Runtime parameter/value pairs, then ODMGR will not be able to select the correct PGE to create the product.

11.12.7.3.1 AST_06 Product Guidelines

There are certain parameters that are required for the AST_06 products. However, not all of the parameters have been identified yet.

We needed to have 3 different PGEs, each of which produces a different AST_06 product (AST_06VD, AST_06SD, AST_06TD).

For the AST_06 products, the parameters should NOT be set (in the ODL) as selector parameters. The parameters for the AST_06 products are called "overwriteable" parameters, meaning that PDPS will overwrite the value in the database with whatever it gets from ODFRM. The parameters that can be set when requesting the AST_06 products are as follows:

MatrixType

SamplingFreq

OutputMean

OutputSigma

BlueBand

GreenBand

RedBand

FirstLine

LastLine

FirstSample

LastSample

11.12.7.3.2 Non-Standard L1B on Demand Requests

In support of Non-Standard L1B On Demand requests, SSI&T personnel at EDC need to add information to the ODL that defines the AST_L1B ESDT to PDPS.. The installation can set up the database originally but any re-registration of the AST_L1B ESDT (in the PDPS database) will cause the information populated in the database to be deleted. NCR 25773 has been written against this problem, but unknown is the timeframe for it being fixed. So the ODL file ESDT_AST_L1B#{ESDT version}.odl needs to have the following added for Non-Standard L1B requests:

OBJECT = METADATA_DEFINITION

CLASS = 1

PARM_NAME = "InputPointer"

CONTAINER_NAME = "InputGranule"

TYPE = "STR"

END_OBJECT = METADATA_DEFINITION

OBJECT = METADATA_DEFINITION

CLASS = 2

PARM_NAME = "ASTERMapProjection"

CONTAINER_NAME = "AdditionalAttributes"

TYPE = "STR"

END_OBJECT = METADATA_DEFINITION

OBJECT = METADATA_DEFINITION

CLASS = 3

PARM_NAME = "Resampling"

CONTAINER_NAME = "AdditionalAttributes"

TYPE = "STR"

END_OBJECT = METADATA_DEFINITION

This page intentionally left blank.